ELECTRICAL WEST

Published by McGraw-Hill Company of California

San Francisco

Index to Volume 99

JULY-DECEMBER, 1947

Illustrated articles are designated by an (*)
Editorials are designated by an (†)

Pages by Issues

(NOTE: Owing to the method of pagination in this volume, it is necessary to use an abbreviation before the page number of each item to indicate the month in which it appeared.)

July J124
August A130
September S150
October O154
November N132
December D126

A

Advertising:
Dealers Tie in With UP&L, S118.
Appliances:
Damaged Goods, †A82.
Damaged in Transit, *S99.
Preview, *J100, *A96, *O114, *N110, D100.
San Diego Show Dates Set, S112.
Associations:
AIEE General Meeting in San Diego, *O96.
Appliance & Radio Dealers Assn. of Oahu Officers, A79.
Bureau of Radio & Electrical Appliances of San Diego County:
Annual Spring Conference, *J92.
Officers, O94.
Canadian Assn. of Radio & Appliance Dealers Re-Elects G. Langtry Bell B.C. Branch Chairman, A79.
Contractors, Electrical:
California License Examination Law Fails, A75.
Hawaiian Assn. Officers, A79.
National Assn.:
Arizona Chapter Officers, N89.
46th Annual Meeting:
Arrangements, A78.
Held in San Francisco, *O88.
Los Angeles Chapter May Change Name, A78.
Northern California Chapter:
IBEW Strike Against Branches, A78.
Kramm, Assistant Manager, N89.
Officers, Newly Formed Orange County Division, A78.
Rocky Mountain Chapter Officers, N90.
San Diego Chapter Has New Manager, A78.
Revival of Idaho State Assn. Contemplated, O98.
San Francisco Assn. Full-Scale Chapter of NECA Questioned, N90.
Vancouver Electrical Assn.:
Kievill Appointed Office Manager, N89.
Officers, O91.
Contractors, Refrigeration:
Assn. of Washington State Formed, A81.
Commercial Assn. of San Diego Officers, A81.
National Assn.:
Annual Meeting Postponed, A80.
Fresno Assn. Officers, N90.
Sacramento Assn. Officers, N90.
Oregon Assn. Officers, O98.
Electric Club of Washington Has Lawton as President, D81.
Engineers' Club of San Francisco Officers, D118.
Illuminating Engineering Society:
Conferences at Vancouver and Los Angeles, *D70.
IES in the West, †D77.
Northern California Section Initiates New Year's Program, N88.
Utah Chapter Fiscal Year Officers, S95.
Washington State Chapter Officers, S95.
Inland Empire Electrical Dealers Assn.:
Joint Meeting in August, *O102.
Spokane Chapter Officers, D81.
Institute of Radio Engineers Convention in September, A80.
Intermountain Electrical Assn.:
First Annual Conference, *D96.
Joint Sponsor of Utah Centennial Home, A78.
Officers, New Cache Valley Chapter, A73.
Stone Names Manager, *O95.
International Assn. of Electrical Inspectors:
Northwestern Section:
Annual Meeting at Eugene, N85.
Officers, N86.
Southwestern Section:
Annual Meeting Plans, A77.
September Meeting at Riverside, *N82.
Volheye, W. R., Becomes President, A77.
International Assn. of Electrical Leagues:
Annual Conference at St. Louis in October, A78.
Officers, N88.
Line Constructors Assn. Formed, A81.
Los Angeles Electric Club Officers, A80.
National Electrical Manufacturers Assn. Lighting Section Western Chairmen, A80.
National Electrical Retailers Assn.:
Chapter Servicing Program Announced, S95.
Herb Names Elected President, A80.
Local Chapter Chairmen, A80.
National Electrical Wholesalers Assn., Pacific Zone:
Convention in Victoria, *J92.
Fall Conference:
Held, *D82.
To Be at Riverside, A77.
Northern California Electrical Bureau Officers, A79.
Northwest Electric Light & Power Assn.:
Accounting & Business Practice Section Meeting at Salt Lake City, *J81.
Business Development, Engineering & Personnel Sections Outline Programs, *D78.
Officers, A81.
Vancouver Annual Meeting, A81.
Northwest Public Power Assn. Longview Meeting, *S94.
Pacific Coast Electrical Assn.:
Committee Heads, N87.
Fenner Plans Home Economics Workshop Meetings, D83.
Fresno Conclave:
Outline of, N87.
Planned, O99.
Getting Acquainted:
Moulton, James Seymour, *D83.
June Convention Scheduled for San Francisco, D83.
More Human Relations, †J66.
30th Anniversary, *J66.
Pot & Kettle Clubs Elections Held, A77.
Rocky Mountain Electrical League:
Annual Convention Held in Casper, *O92.
Denver Chapter Aids Bedfast, S118.
Makes Poll to Determine Frequency Desire, A80.
Wyoming Convention Plans Shaping Up, A78.
Sacramento Electric Club Reactivated, A80.
Seattle Electric Club Officers, O95.
Value of Meetings, †D77.
West Coast Electronic Mfgrs. Assn. Convention in September, A80.
Atomic Energy:
Atomic Power Dream, †O100.
Concrete Shields New Cyclotron, *D65.
Awards:
Colorado Line Crew Wins Valor Award, *J122.
International Lighting Exposition Awards, D69.
News Meter Red Cross Winner, J104.
Sylvania Fixture Design Winners, *J64.
Western Power Companies Win Advertising Awards, A118.

B

Bonneville Power Administration: See "Generation."
Books:
Abbott "National Electrical Code Handbook," O54.
Bendz and Scarlott "Electronics for Industry," O54.
Cook & Carr "Elements of Electrical Engineering," D34.
Crary "Power System Stability Vol. II," D34.
EEI "Use and Care of Pole Climbing Equipment," O54.
Lincoln Co. "Learning to Weld," O54.
McCullough "Electric Motor Maintenance," D36.
Miller "Men and Volts at War," O54.
"Rome Cable Manual of Technical Information," D34.
Terman "Radio Engineering," D34.
Bulletins, Etc.: J46, A55, S60, O64, N56, D48.

C

Career?, A Poor Place for a, †N81.
Clubs: See "Associations."
Communication:
First Three-Phase Rural Carrier Telephone, *S86.
Construction:
More Production is the Answer, by Charles A. Langlais, D68.
Contracting (See also "Associations"):
Contracting, More Production is the Answer—How Can We Get It In?, by Charles A. Langlais, D68.
Cover Photos:
Christmas Scene, D.
Installing Capacitors on WWPCo. Feeder, A.
Installing Portland's Street Lighting Laboratory, S.
Moffet Field Hangar Incandescent Lighting Units, N.
Rewiring SF Veterans Administration Building, J.
World's Largest Crane, SF Naval Shipyard, O.
Crane, SF Naval Shipyard:
To Lift 500 Tons, *D62.
World's Largest, *O82.

D

Dams:
Hungry Horse To Be Fourth Highest, S128.
Los Angeles Allocates Funds for Studies, S124.
Nevada Bids for Shasta Power, J112.
One-Step Construction Agreed on for Folsom, S128.
Ross Addition Urged, O118.
Distribution & Transmission:
Aluminum Clamps Cut Magnetic Losses, *D64.
Capacitors, Mounting Practices, *A65.
Cooperative Plan for Arizona Power Lines, O128.
500,000-Volt Transmission Tests, *N72.
Helicopter Patrol, *S91.
Linemen's Version, Dragging in Yule Log, *D59.
New Method of Mounting Three Transformers, *N69.
New Terminal Substation, *N71.
New Tools Armor Rod 220 Kv. Hot, *D60.
PSP&L Linemen the Trainee Way, *A61.
Streamlining for Appearance, *D65.
Substation, Line Views, *A66, *70.
12,500 Kw. in Rectifier Subs for Denver Tramway, *N71.

E

Editorials:
A Poor Place for a Career?, †N81.
Atomic Power Dream, †O100.
Back to Fundamentals, †S92.
Between the Horns, †J67.
Bright Outlook, †A82.
Customer's Strike, †S92.
Damaged Goods, †A82.
Employee's Discount, †N80.
IES in the West, †D77.
Lesson in Semantics, †J66.
More Human Relations, †J66.
More Power, Less Smoke, †O100.
More Rubber Yardsticks, †A82.
Old Policy—New Twist, †J66.
Political Action—Labor's Blind Alley, by James H. McGraw, Jr., †D109.
Power and Salmon, †O100.
Power Emergency, †S92.
Price-Conscious Public, †O101.
Professional Independence, †A82.
Quotations:
Brown, Harry Boyd (buyer's market), †D77.
Grauer, A. E. (free enterprise), †J67.
Hayes, Brig. Gen. Wade H. (British nationalization), †A83.
Nash-Kelvinator Corp. (American freedom), †S93.

Smith, Bradford B. (power of government), †N81.
Sproul, Dr. Robert Gordon (liberalism), †O101.
Raise the Sights, †N81.
Snarl Talk, †A83.
Taft-Hartley Act Frees "Slave" Labor, by James H. McGraw, Jr., †N115.
Tax Relief Needed, †D76.
The Labor Law, †J67.
The Payoff on Light, †S92.
The Ruhr—Valley of Decision, by James H. McGraw, Jr., †S115.
Too Much Talk, †N80.
Usable Wiring Capacity, †S93.
Value of Meetings, †D77.
What of 1948?, †D76.
While We Delay—Russia Drives for the Atlantic, by James H. McGraw, Jr., †O121.
Whose Code Is It?, †D76.
World Leadership, by James H. McGraw, Jr., †J107.
Your Chances of Getting Ahead, by James H. McGraw, Jr., †A113.

Electra's Husband:
Come and Get It, O66.
It'll Be a Long, Long Time, J48.
Law of Random Perversity, S64.
That Salesman is Here Again, N58.
The Darndest Things, *D50.
What, No Ensemble?, A56.

Electronic Mfgrs. Assn. Convention in September, A80.

G

Generation:
Bonneville Power Administration:
Bandon to Receive Power on 20-Year Contract, J113.
Given Go-Ahead on Emergency Projects, O118.
Customer's Strike, †S92.
Federal Loans Granted for Planning Systems, A110.
Fuel-Power Outlook—Pacific Southwest, by N. B. Hinson, *O69.
Iron Reinsulated for Unit in Record Time, *S90.
Long Beach Turbine-Generator Installation Record, *S87.
More Power for Moffett Field, *O81.
More Power, Less Smoke, †O100.
Owens River Gorge Development:
Authorized, A116.
Construction to Start, *S88.
PG and E has Large Hydro Program, *N68.
Package Units at Redondo Gained a Year, *S84.
Power and Salmon, *O100.
Power Emergency, †S92.
Scholarships to Recruit Men for Power Field, O140.
Stand-by Boilers for Arizona Steam Plant, *N70.
Steam Plant Additions, *A62.
Too Much Talk, †N80.
Upper Salmon Plant in Service, *N69.

H

Heating:
Asphalt Tanks Are Heated Electrically, by W. W. Pearce, *O87.
Bananas Ripened by, *O75.
Dielectric Heat for Edge Gluing, *O81.
Radiant, Low-Voltage, High-Current, by Ruben S. Tice, *D66.

Human Relations:
In Business, by Harry Woodhead, *J70.
More Human Relations, †J66.
Teamwork Pays, by K. L. Hampton, A59.

I

Industrial:
Alfalfa Plant Points New Trend, *O85.
Bright Outlook, †A82.
Electrical Answer to Pressing Problem, *O84.
Electrical Boiler for Press, *O84.
Electrolytic Chlorine at Penn Salt, *O83.
First Coated Paper on Pacific Coast, *O82.
Flexible Power Feature of New Building, *O83.
Frozen Foods Have Highest Kwh. Content, by Walter C. Heston, *O76.
Kilowatts Mine Copper, *O74.
More Kilowatt-Hours Per Worker Mean Industrial Supremacy, by Edwin Fleischmann, *072.
New Reverse-Cycle Application, *O75.

L

Labor:
How Wages Hike Prices, *S83.
International Brotherhood of Electrical Workers Strike Against Northern California NECA Branches Settled, A78.
Paid Vacations for Wiremen?, N77.
Professional Independence, †A82.
Snarl Talk, †A83.
The Labor Law, †J67.

Letters to the Editor:
Delvaille, G. C., D36.
Sheets, George C., D36.

Lighting (See also "Store Arrangement & Display"):
Daylight Movies, *N78.
480-Volt Series Incandescent (Moffett Field), *N74.
G-E Pocket Foot-Candle Selectors, J65.
Grease Pit Lighting, *A76.
Los Angeles Coliseum Getting 100 Ft-Candles, J65.
Pays Off, *S72.
Planned Installation Contest Exposition Feature, A75.
Raise the Sights, †N81.
Safe Light for Spray Booth, *S82.
Second International Exposition Held in Chicago, N88.
Solution for High Ceiling, *S78.
Street:
Arcadia Street Lighting, *J65.
PGE Installs Outdoor Laboratory, *S69.
Relighting Spokane's Streets, by Albert Gruber, *S80.
Street Light Control, *D64.
Styled Light in Centennial Home, *N79.
The Payoff on Light, †S92.
Warm Light for Swimming Pool, *A76.

M

Merchandising:
A Utility Sales Policy, by George N. Hawley, J53.
Back to Fundamentals, †S92.
Between the Horns, †J67.
Broiling Device to Eliminate Human Element, *S118.
Come and Get It, O66.
Dealer Picture, *N100.
Electra City in Hollywood, *D84.
Employee's Discount, †N80.
Los Angeles Home Show, *A94.
Nides General Electric Appliances Opens in Denver, *N99.
Restaurant Equipment Displayed by Idaho Power, *N108.
Retailers Conference, A93.
Sales Guide, Electrical West:
Action on Ironers, *J87.
Be Financially Successful—by Being Timely, by Ken Hampton, *S110.
Be Financially Successful—by Control of Credit and Collections, by Ken Hampton, N94.
Be Financially Successful—by Keeping Control Through Records, by Ken Hampton, O108.
Face the New Year, by Ken L. Hampton, *D85.
How Shall I Pay My Salesmen?, by R. L. Wilkinson, *S107.
Just How Do You Sell an Automatic Electric Iron, Anyway?, *D86.
Sell Toward the Complete Laundry, *J90.
Spruce Up for Christmas, *N91.
To Sell the Complete Kitchen, *A89.
Turn the Heat on Heating Pads, *O105.
Your Instrument Board, *D88.
Sales Guide News Letter, Electrical West: J82, A85, S103, O109, N95, D89.
San Francisco Market Week, *S96.
Selling Cost Ratios in Inland Empire, A84.
Something New in Department Stores, *D55.
Task Saying Test Made, *O104.
That Salesman is Here Again, N58.
3 Mills per Meal at the Davenport, by Carl L. Hoffman, *N104.
Using a Recorder in Business, *A84.
Westinghouse Electric Supply Opens Boise Branch, *O104.

Month in Brief: J102, A104, S122, O116, N118, D106.

N

National Electrical Code:
Evening Courses Held, *N79.
Whose Code Is It?, †D76.

P

Preserving Poles, by Dan L. Lindsley and W. H. Seaman, J58.
Product News: *J37, *A42, *S46, *O56, *N39, *D40.

Public Utility Districts:
Puget Power Purchase:
Declared Illegal, J104.
PUD Asks Rehearing, A106.

Pumps Use Off-Peak Power, *O94.

R

Radio:
Experience in the 70 Megacycle Band, by W. A. Leidigh, Jr., *J55.
National Plan for Frequency Allocations, *S91.
Television Horizon Widened by New Test, S112.

Rates:
More Rubber Yardsticks, †A82.

Reclamation:
Ceremony Marks Partial Completion of Big Thompson, A108.
Rockwell Bill Support Asked, O126.
USBR:
Fiscal Year Work Program Announced, S126.
Kortes Will Firm Power, *N67.

Research, Prevent World War III?, by Lester Reukema, *N63.

Rural:
Electrification Studies Financed by Idaho Utilities, S132.
"Farm Wiring" Published by Westinghouse, J64.
Northwest Foundation Holds Annual Meeting, S132.
Party at Wilsona Schoolhouse, *A93.
REA Approves Loans for Western Construction, N125.
UP&L Grant Aids Agricultural Research, S132.
UP&L Tent Show, *A84.

S

Safety:
Booklet Gives Farmers Suggestions, D116.
Hearings for Revision of State Safety Orders Resumed, *N89.
Safe Light for Spray Booth, *S82.

Shows:
Construction Industries Exposition & Home Show:
Officers, N88.
To Be Held in June, N88.
International Lighting Exposition:
Awards, D69.
Chicago November Exposition is Second, N88.
San Diego Home Appliance Show Dates Set, S112.

Special Issues, Electrical West:
Industrial, O.
Lighting, S.

Store Arrangement and Display:
Boise Ballou-Latimer Drug Store Remodeled, *S74.
B.C. Apparel Store Has Lighting 'Ensemble,' *S78.
Compton McCown Drug Store Lighting, *S74.
Exterior Lighting of Seattle Luggage Company, *S77.
Gilbert Brothers, Portland, Lighting Fixture Display Room, *J64.
In the Hollywood Manner (Electra City showroom), *D84.
Lighting in Spokane Union Market, *S73.
Oakland Sandwich Company Luminous Ceiling Technique, *S75.
Roos Bros. San Francisco Sport Shop, *A72.
Salt Lake City Beauty Salon, *S73.
San Francisco Jewelry Brilliance, *S79.
San Leandro Lucky Store, *N75.
Something New in Department Stores at Bullock's—Pasadena, *D55.

T

Taxes:
Colorado Utilities Get Higher Valuations, A108.
Tax Relief Needed, †D76.

Trade Notes: *J114, *A120, *S148, *O148, *N129, *D122.

Trainee Way, PSP&L Lineman, *A61.

Transformers:
Modesto Spare Switched Hot, by C. E. Plummer, *A68.
Two-in-One Keep Poles Trim, *J57.

Transmission: See "Distribution & Transmission."

U

Underwriters: See "Wiring."

Utilities:
A Utility Sales Policy, by George N. Hawley, J53.
B.C. Electric Railway La-Joie Falls Dam Work to Commence, J113.
Burbank Public Service Dept. Planning Construction Program, S130.
California Electric Power Co. Stock Issue Approved, J110.
California Municipals Urge More Efficiency, *D80.
Central Arizona Light & Power Buys Parker System, N123.
Ellensburg Planning to Operate Plant Again, J113.
Fairbanks, Alaska, May Build System, J112.
Hawaiian Electric Co.:
Clifford, L. W., Succeeded by Wm. E. Garrison, A79.
Structures Completed in Improvement Program, N124.
Idaho Power Microfilming Records to Save Space, N122.
Old Policy—New Twist, †J66.
Pacific Gas and Electric Co.:
Bass Lake Playground Donated by A. Emory Wishon, *A60.
Given License for Two Hydro Projects, A110.
Pacific Power & Light Co.:
Franchise Bid Filed in Portland, O136.
Installs Carrier Current System, O138.
Public Service Co. of New Mexico:
Given 25-Year Franchise, J106.
Has Approval on Refinancing, A108.
Puget Sound Power & Light Co.:
Resumes Student Engineering Course, N122.
State Fair Exhibit, *N122.
San Diego Gas & Electric News Meter Red Cross Winner, J104.

Seattle City Light:
Refunding Bonds, A108.
Southern Colorado Power Tells Expansion Plans, J112.
Tacoma, City of, Hydroelectric Dam Site Surveys Authorized, J110.
Telluride Power Plans System Expansion, O126.
Trust Company Summoned in Pepco Reorganization Plan, J110.
Washington Water Power Schedules 5-Year Improvement Program, S130.

W

Wiring:
Control Center Whips Moisture, by Scott Beamer, *N76.
Frequency Change is Big Business, *D75.
Good Business in Your Own Home Town, *J62.
L.A. to Enforce 90% Power Factor, D75.
Paid Vacations for Wiremen?, N77.
Rewiring on a Limited Budget, by Scott Beamer, *A74.
Underwriters?, How About These (Part 2), by Howard Dodge, J63.
Usable Wiring Capacity, †S93.
Warning to Vancouver, B.C., Trade, S83.
X-Ray:
Million-Volt Unit, *J61.

Authors

B

Beamer, Scott:
"Control Center Whips Moisture," *N76.
"Rewiring on a Limited Budget," *A74.

D

Dodge, Howard, "How About These Underwriters?," J63.

F

Fleischmann, Edwin, "More Kilowatt-Hours Per Worker Mean Industrial Supremacy," *O72.

G

Gruber, Albert, "Relighting Spokane's Streets," *S80.

H

Hampton, Ken L.:
"Be Financially Successful—by Being Timely," *S110.
"Be Financially Successful—by Control of Credit and Collections," N94.
"Be Financially Successful—by Keeping Control Through Records," O108.
"Face the New Year," *D85.
"Teamwork Pays," A59.
Hawley, George N., "A Utility Sales Policy," J53.
Heston, Walter C., "Frozen Foods Have Highest Kwh. Content," *O76.
Hinson, N. B., "Fuel-Power Outlook—Pacific Southwest, *O69.
Hoffman, Carl L., "3 Mills per Meal at the Davenport," *N104.

L

Langlais, Charles A., "More Production is the Answer—How Can We Get It In Contracting?," D68.
Leidigh, Jr., W. A., "Experience in the 70 Megacycle Band," *J55.
Lindsley, Dan L., "Preserving Poles," J58.

M

McGraw, Jr., James H.:
"Political Action—Labor's Blind Alley," †D109.
"Taft-Hartley Act Frees 'Slave' Labor," †N115.
"The Ruhr—Valley of Decision," †S115.
"While We Delay—Russia Drives for the Atlantic," †O121.
"World Leadership," †J107.
"Your Chances of Getting Ahead," †A113.

P

Pearce, W. D. "Asphalt Tanks Are Heated Electrically," *O86.
Plummer, C. E., "Spare Transformer Switched Hot," *A68.

R

Reukema, Lester, "Can Research Prevent World War III?," *N63.
Rice, Ruben S., "Low-Voltage, High-Current, Radiant Heat," *D66.

S

Schilling, A. X.: PCEA Panorama: O99, N87, D83.
Seaman, W. H., "Preserving Poles," J58.

W

Wilkinson, R. L., "How Shall I Pay My Salesmen?," *S107.
Woodhead, Harry, "Human Relations in Business," *J70.

Obituaries

B

Buratti, Carl N128

E

Elrod, Miss Mildred S146
Erwin, Maurice S146

H

Hutchison, R. G. S146

L

Little, J. J. N126
Loomis, Frank W. O146

M

McCammon, Floyd F. N128

O

Orr, J. F. N128

R

Rice, Harold J. O146
Rowley, Bert E. S146

S

Scattergood, Ezra F. D121
Shaw, Phillips B. D121

W

Woodard, Ben F. N128

Personals

A

Aguiar, Manuel J122
Allatt, Walter B. A124
Allison, Charles W. J118
Anderson, Roger S140
Armstrong, Earl G. D120

B

Becker, Hugo S144
Bergeron, Albert T. S136
Black, Thomas B. N126
Blakeslee, Theodore M. D120
Bodine, Frank E. S144
Bragg, George T. A124
Branch, E. C. S146
Branch, Emory C. O146
Bridges, J. E. S142
Brown, L. E. J122
Brown, Ralph O144
Brown, R. W. J120
Brownell, Fred W. N126
Bullock, James A. D120
Burrus, J. H. J122

C

Campbell, R. B. J120
Carter, Howard G. A128, O144
Christensen, J. R. J122
Clark, Melville N. A124
Clawson, J. H. N126
Colorado Line Crew Valor Award Winners *J122
Conlin, Bert M. J. O146
Conner, G. H. A128
Cozzens, Bradley D120

D

Davie, Will H. J120
Diamond, Robert W. J120
Dierdorff, John *J118
Dostal, Charles A. J122
Durant, Joseph S. A126

E

Edwards, Leroy M. N126

F

Faiman, Robert Neil N126
Falge, F. M. A128, *S138
Faulkner, H. F. O146
Favro, Elmer S146
Fenner, Marguerite N126
Field, Harry P. *J120
Finch, Dan M. S144
Fisher, R. E. *J122
Flinn, II, Daniel F. S146
Flynn, Ralph O144
Foley, R. K. D118
Foster, J. G. A128
Fox, J. W. S138
Frantz, J. D. S146
Fryer, L. O. O142

G

Gabbert, J. R. S146
Gallatin, William C. S142
Gardner, Reid D118
Germaine, Earl S140
Gibson, Charles D. N126
Gillingham, Joe S146
Gilpin, Earl D. S146
Gnadt, W. E. J122
Godwin, Francis K. D120
Gogins, J. F. N126
Gorlinski, Col. Joseph S. N126

H

Hagar, George H. *A124
Hansen, David S140
Hansen, J. M. *S142
Harbak, O. G. S140
Harnish, Robert F. N126
Hayden, C. R. A128
Hayes, John J. J122
Heinz, B. T. S146
Heston, Walter C. A126
Hill, W. R. N126
Hillier, Willard O144
Hixson, Morris C. S138
Hollingsworth, K. E. S146
Hoper, Clarence H. D120
Hunt, Lloyd F. *O142
Huntley, Charles O144

J

Johannson, A. L. J120
Johns, Cliff O144
Jones, Lee R. D120
Juhl, Peter D. S140

K

Kalbfus, T. B. N126
Karlskind, D. B. A128
Karrer, L. E. *J118
Keesling, Homer G. A124
Kennedy, Mel G. S140
Knight, William H. N126
Kuehlthau, Alex S144

L

Lee, Robert S140
Lees, Henry M. O146
LeFever, O. L. A124
L'Hommedieu, W. P. A128
Leonard, D. B. A124
Lewis, Lewis A. *S136
Libbey, Valentine B. J122
Lloyd, Reese B. J122
Loosmore, G. H. A128
Ludwig, Wiley L. A126
Lycurgus, Leo J122

M

Madsen, James C. A126
Manary, Fred G. J122
Manuel, Burrell S. N126
Mariscal, Joseph F. D120
Martin, C. O. J122
Martin, Robert J. A128
May, S. R. J120
McBratney, Earl J122
McCabe, Dr. Louis C. N126
McCall, J. D. N126
McCandless, W. A. A128
McClung, D. R. A124
McCrone, Beth S140
McGarvie, Philip J120
McGregor, Douglas B. D118
Milne, J. Scott S140
Moody, R. D. A126
Moore, Alden S140
Mosley, Earl L. D120

N

Nolan, Charles E. *J120

O

O'Dowda, James M. J122
Oswill, W. D. S140

P

Parks, John J122
Parrett, Marlow O144
Pearson, E. F. A124
Perkins, G. S. S142
Perry, Tom A124
Petsche, A. J. S140
Pinney, Vivian Wright S144
Plankinton, J. C. A124
Polhemus, J. A. D118
Pollard, Jim O144
Pomeroy, Harold J122
Pope, Lee H. O146
Porter, Kenneth C. S140
Postlewaite, Preston M. A128

Q

Quigley, J. P. A126

R

Rauch, Fred O144
Rhodes, Col. Lester F. N126
Richards, Bob O144
Roach, T. E. *J118
Robinson, Joseph A. *A126
Rogers, J. H. S136
Root, Cecil A. A124
Roseberry, Carroll V. A128
Rudman, M. J. J122

S

Sanderson, Ben G. S144, N126
Sauer, M. B. N126
Schiffers, C. J. *J120
Schoolfield, H. H. A124
Searight, F. Harvey A126
Shamel, J. B. *O144
Sharpe, Ed D118
Shevling, C. E. O146
Silvernail, Hal E. S138
Skaife, Arthur F. N126
Smalley, D. D. A124
Smith, Clifford A126
Smith, Elmer Haldon N126
Snowden, Wayne A126
Sonntag, Robert P. O146
Spencer, Clyde C. N128
Stanley, E. C. A128
Stivers, D. A. D118
Stortz, Jr., Frank A. A126
Strong, A. E. A128
Sutherland, Norman R. A124
Swarm, H. Myron N126
Swearingen, Frank O144
Sweeney, Elizabeth N126

T

Taylor, Leonard A. S146
Taylor, Richard F. A126
Tenney, George C. O144
Thompson, Bert A124
Thompson, Don N126
Thompson, D. W. A126
Thompson, Joseph S. D120
Thoreson, Edward N128
Tilson, Henry M. S144
Tracy, Dan N126
Tracy, Grover S. *A124

V

Vernstrom, Roy N. D118

W

Wade, J. P. J122
Wagner, Robert H. N126
Watkins, Bruce O. O142
Wells, Joseph R. J122
White, J. A. N126
Williams, Arthur L. D120
Wilson, J. Ernest D120
Winter, W. L. D118
Wismer, E. W. S144

Z

Ziebart, III, John Alton N126

Profiles

A

Allen, Dr. Raymond B. A130
Alvord, R. M. *O154
Arntzen, Norman V. *O154

B

Bedell, C. A. *D126
Bell, Langtry *D126
Bethell, Jim *D126
Bliss, Ken *S150
Branch, E. C. *A130
Briden, D. C. *S150
Brillhart, Lee *J124

C

Carlson, F. W. *S150
Ceruti, Stephen A. *A130
Chamberlain, J. Clark *N132
Clawson, J. H. *N132

D

Davis, V. O. *S150
Dickson, J. W. *D126

F

Fleming, Gene *J124

G

Geist, Walter *D126
Graham, B. A. *J124

H

Hardacre, Gilbert *J124
Harnish, Robert F. *N132
Hayes, Norman A. *O154

J

Johnson, Pat *A130
Johnson, W. C. *D126

K

Ketch, James *J124

L

Lane, Ralph *D126

M

Maxwell, R. B. *S150
McFadden, S. P. *A130
Moore, Charles *J124
Moore, Major E. W. *J124

O

Ogsbury, C. R. *S150
Owen, T. B. *S150

P

Price, F. Earl *S150
Prince, R. R. *D126

R

Rankin, G. M. *D126
Robinson, Dr. L. N. *A130
Rogers, J. B. *S150
Roseberry, Carroll V. *A130
Russell, Clif *S150
Ryan, Bob *D126

S

Sandoval, H. E. *J124
Schoenfeld, W. A. *S150
Schultz, Jack *D126
Singleton, J. L. *D126
Snyder, Will *N132
Stockton, R. V. *S150

T

Taylor, John *D126
Terrill, Charles F. *A130
Thompson, O G. *N132
Tober, Karl W. *S150
Totten, Jack *A130
Turnbull, R. W. *O154

W

Wiese, Lou C. *N132
Wilson, C. E. *O154
Wright, Ed *J124

VOLUME

TIGHTLY BOUND

BEST COPY

AVAILABLE